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(21) Application number: 05080164	(71) Applicant: **NEC CORP**
(22) Date of filing: **15 . 03 . 93**	(72) Inventor: **MIYAMOTO TAKASHI**

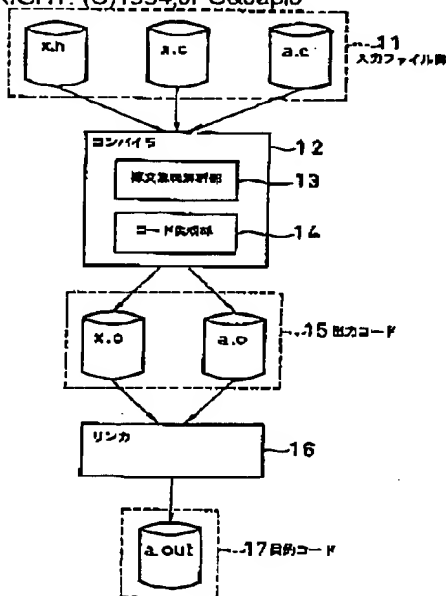(54) **OBJECT CODE SIZE OPTIMIZING SYSTEM IN OBJECT-ORIENTED LANGUAGE PROCESSING SYSTEM**

(57) Abstract

PURPOSE: To reduce the size of an object code by generating only one real body of a method address storage table inside the object code.

CONSTITUTION: In an object-oriented language processing system for generating output codes for the respective input files of an input file group 11 and realizing the execution time decision of the method of an object-oriented language by using the method address storage table statically generated inside the object code 17, a syntax semantic analysis part 13 compares an input file name with the name of a class to which the method belongs at the time of the semantic analysis processing of a class declaration, generates the real body and the declaration of the method address storage table inside the output code 15 in the case of coincidence and generates only the declaration of the method address storage table inside the output code 15 in the case of noncoincidence. A linker 16 solves reference relation among the plural output codes 15 and generates one object code 17.